

AMENDMENTS TO THE CLAIMS

1-58. (Cancelled)

59. (New) An insert earphone comprising:

a housing having a hollow tubular portion;

a receiver mounted with the housing for transducing electrical energy received into sound energy;

a resilient sealing member disposed over the hollow tubular portion of the housing for sealing with an ear canal of a wearer; and

the housing extending into and substantially acoustically sealing the ear canal of the wearer when inserted such that the housing is supported by the ear of the wearer, the earphone providing a high fidelity response without requiring a long flexible tube between the hollow tubular portion of the housing and the resilient sealing member.

60. (New) The insert earphone of claim 59 further comprising a resilient material, the resilient material being disposed between the receiver and at least one interior wall of the housing.

61. (New) The insert earphone of claim 60 wherein the resilient material comprises a resilient insert.

62. (New) The insert earphone of claim 60 wherein the resilient material inhibits movement of the receiver relative to the housing.
63. (New) The insert earphone of claim 61 wherein the resilient insert assists in providing an acoustical seal between a hollow body portion and the elongated tubular portion of the housing.
64. (New) The insert earphone of claim 59 wherein the receiver is supported within the housing.
65. (New) The insert earphone of claim 59 wherein the receiver is supported within the housing and has a sound outlet port extending partially into the hollow tubular portion of the housing.
66. (New) The insert earphone of claim 65 wherein the sound outlet port extending partially into the hollow elongated tubular portion directly contacts a surface of the hollow tubular portion.
67. (New) The insert earphone of claim 59 wherein the resilient sealing member has at least one outwardly projecting flange portion.
68. (New) The insert earphone of claim 67 comprising a plurality of outwardly projecting flange portions of generally conical form and of progressively increasing diameters.

69. (New) The insert earphone of claim 59 further comprising a filter electrically coupled to an electrical audio signal source external to the housing, the filter for receiving electrical signals from the audio signal source and for modifying frequency components of the electrical signals received.

70. (New) The insert earphone of claim 69 wherein modifying frequency components of the electrical signals received comprises increasing high frequency components of the electrical signals received.

71. (New) The insert earphone of claim 69 wherein the filter is located in a junction box external to the housing.

72. (New) The insert earphone of claim 69 wherein the filter is located in the housing.

73. (New) The insert earphone of claim 59, having a response that compensates for loss of external ear resonance and coupling resonance that otherwise would occur when the insert earphone is inserted into the ear canal of the wearer.